

FIG. 1
(PRIOR ART)

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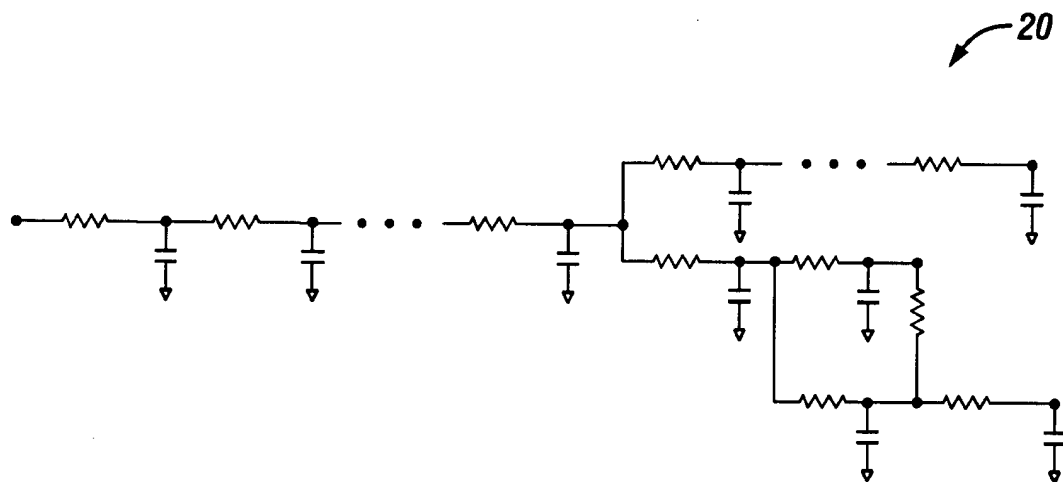


FIG. 2A
(PRIOR ART)

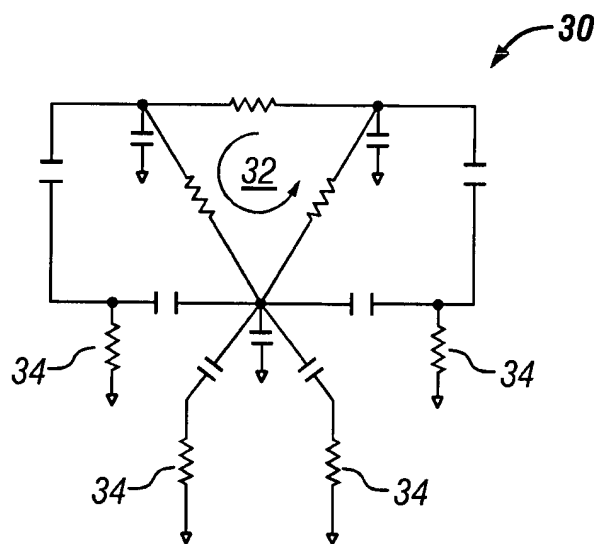


FIG. 2B
(PRIOR ART)



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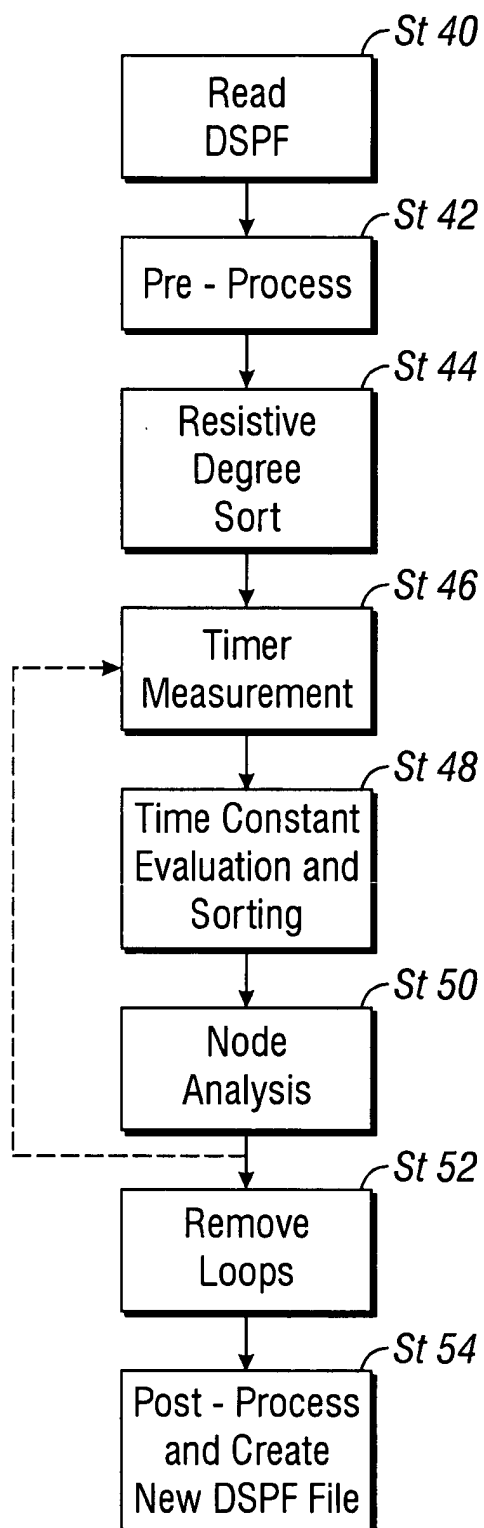


FIG. 3



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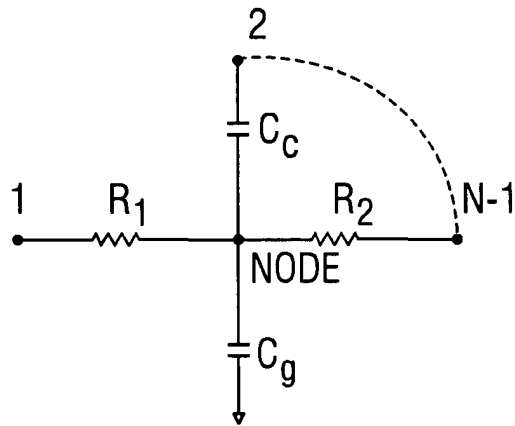


FIG. 4A

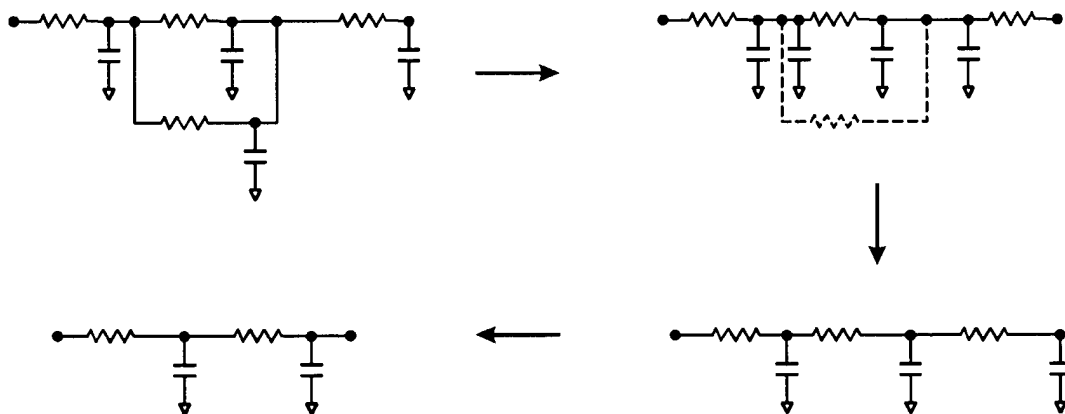


FIG. 4B

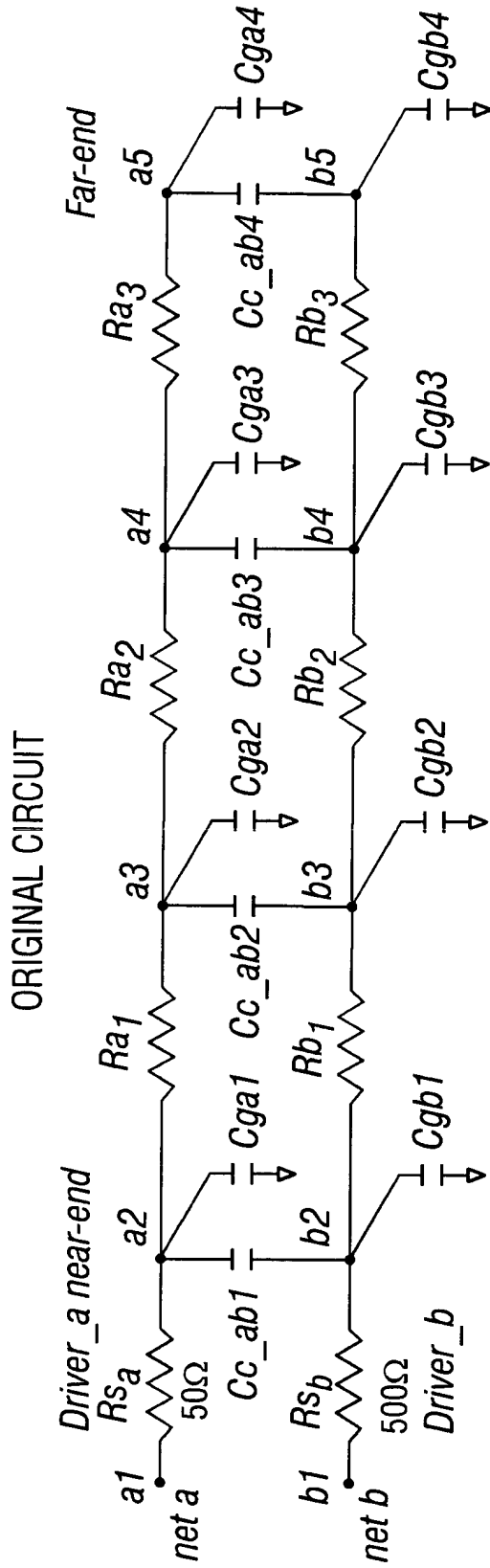


TABLE 1. Resistance

Ra1	Ra2	Ra3	Rb1	Rb2	Rb3
10 Ω	20 Ω	30 Ω	30 Ω	20 Ω	10 Ω

TABLE 2. Ground Capacitance

Cga1	Cga2	Cga3	Cga4	Cgb1	Cgb2	Cgb3	Cgb4
10fF	20fF	30fF	40fF	40fF	30fF	20fF	10fF

TABLE 3. Coupling Capacitance

Cc_ab1	Cc_ab2	Cc_ab3	Cc_ab4
20fF	40fF	60fF	80fF

FIG. 5A



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TRADITIONAL REDUCED CIRCUIT

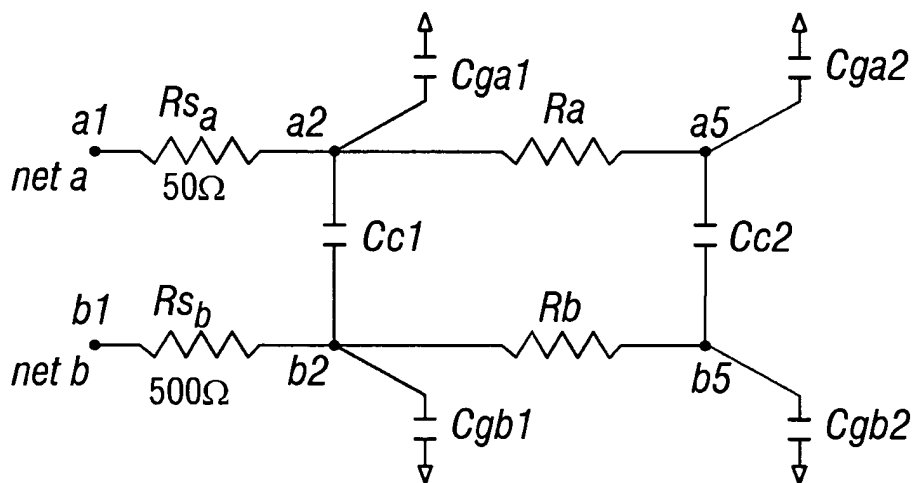


TABLE 4. Resistance of PI Model

Ra	Rb
60Ω	60Ω

TABLE 5. Ground Capacitance of PI Model

Cga1	Cga2	Cgb1	Cgb2
50fF	50fF	50fF	50fF

TABLE 6. Coupling Capacitance of PI Model

Cc1	Cc2
100fF	100fF

FIG. 5B

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NEW REDUCED CIRCUIT

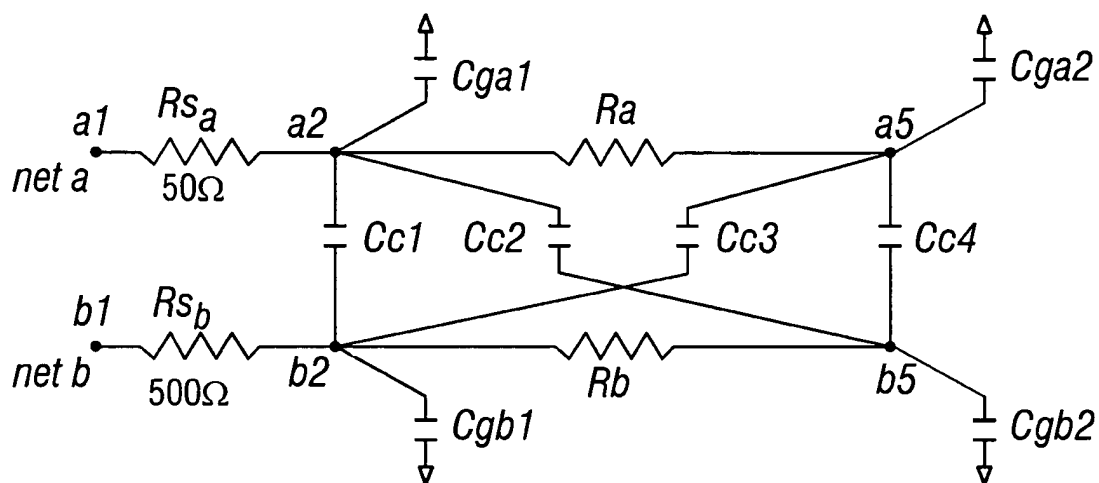


TABLE 7. Resistance of reduced circuit

R_a	R_b
60Ω	60Ω

TABLE 8. Ground Capacitance of reduced circuit

C_{ga1}	C_{ga2}	C_{gb1}	C_{gb2}
41.667fF	58.333fF	58.333fF	41.667fF

TABLE 9. Coupling Capacitance of reduced circuit

C_{c1}	C_{c2}	C_{c3}	C_{c4}
41.667fF	41.667fF	8.333fF	108.333fF

FIG. 5C